

ABSTRACT OF THE DISCLOSURE

A pressure sensor device (1) includes a sensing element (2) for sending an analog signal according to pressure. The pressure sensor device (1) outputs the analog voltage to a microcomputer (20) through an input-output terminal (8). An input-output control circuit (4) monitors the voltage value in the input-output terminal (8). When the voltage of the input-output terminal (8) is set to high by the microcomputer (20) and is dislocated from a predetermined range, the input-output control circuit (4) functionally changes the input-output terminal (8) outputting a detecting signal to a terminal for inputting an external signal from the microcomputer. After the input-output terminal (8) is changed to the terminal for inputting the external signal, a range control circuit (7) fetches an external command signal through the input-output terminal (8) and switches the output characteristics.